

UAP candidates present views

By Mark Boletin

The three candidates for the Undergraduate Association President met with The Tech's Board of Directors in an informal press conference Sunday afternoon. Each of the candidates spoke for about five minutes, then answered questions put forth by the members of the Board.

Bob Horvitz

Bob Horvitz '68 spoke first and directed his remarks to some projects which would be coming up in the next year. He noted, in particular, academic reforms, such as the extension of reading period and the institution of a pass-fail system for seniors. Continuing to discuss academic reforms, Bob emphasized that he would like to see "increased liberalization . . . through effective feedback."

Another problem Bob foresaw for the coming year was that of improving dormitory-fraternity relations. He considered this to be one of the more touchy projects with most of the difficulties arising in the areas of a possible

Dostoevsky work to be discussed in Strelsky talk

Mrs. Katherine Strelsky will present a study of "The Riddle of Dostoevsky's 'Idiot'" Monday at 8 pm in the Hayden Library Lounge. The lecture is being sponsored by the Course XXI Society.

Dostoevsky's work has been a lifelong study for Mrs. Strelsky. This year she hopes to complete a major book, called "Dostoevsky and the False Myth." The book will be focused largely on "The Idiot," and will offer a radically new interpretation of this novel.

Mrs. Strelsky is doing the first English translation of Dostoevsky's notebooks for "The Idiot." Much new material has come to light from this study to substantiate a re-evaluation of "The Idiot," as being crucial to an understanding of the novels that follow it. Mrs. Strelsky's new and perhaps controversial insights should affect the present understanding of Dostoevsky as a thinker and an artist, and justify an even higher place for him in the history of literature.

Mrs. Strelsky's lecture will be the first public presentation of her new material.

Mrs. Strelsky has worked on the editorial staffs of both "Isis" and "Daedalus," and has served as executive editor of the American Council of Learned Societies.

dormitory rush, coordination of more involved in the activities of some of the feedback groups.

Role of Inscomm

Bob completed his talk with an explanation of his views on the role of Inscomm, which he considered a "forum for discussion . . . environment . . . education . . . anything that affects any undergraduates should be discussed."

Specific goals which he suggested for Inscomm included increased activity by the Committee on Student Environment, continuation of conferences, and attempts to get Inscomm members

Rick Karash

Rick Karash '68, who followed Bob, placed primary emphasis on "communications, relations between living groups, and the wide separation between the academic community and the residence community."

To solve the communications problem, Rick suggested that Inscomm try to get better feedback from the students and the various house committees. Improved feedback could be achieved

(Please turn to page 7)

MIT thinks of new NSA union regardless of CIA developments

As controversy rises over the viewed the disclosure with no surprise, indicating that they knew what was happening all along, and that they saw the CIA as just another funding source. Many past officers agreed with the statement made by W. Dennis Shaul NSA president, 1962-63, who observed that "it is preposterous to say we were coerced into taking the money . . . Most people thought it was a good idea."

MIT a founding member

When the NSA was founded in 1947, MIT was one of the original members. MIT remained a member of the organization for twelve years, finally voting to sever affiliations in early November, 1959. The major reasons for the disaffiliation was that the MIT delegates to the NSA Congress and the Institute Committee felt that the NSA was not living up to its purpose as stated in its constitution—to be concerned with matters pertinent to "students in their role as students."

NSA neglects U.S. students

Incomm felt that the Association was so concerned with legislation on an international level that it neglected the American college student. For this reason Incomm felt that it could no longer derive benefits from NSA, that it was wasting its time and its one thousand dollar dues and conference fees. At that time an

(Please turn to Page 3)

UAP debate

A debate will be held among the three UAP candidates, Bob Horvitz '68, Richard Karash '68, and George Phillips '68, in the Sala de Puerto Rico of the Student Center, tomorrow at 7:30 pm. The format will consist of a five minute basic policy speech by each candidate followed by question and answer period: — questions by the audience moderated by UAP Frank March '67. All interested are urged to attend.

The Tech

Vol. 87, No. 5 Cambridge, Mass., Tues., Feb. 21, 1967 Five Cents

Director of CEA resigns in conflict over research

By Carson Agnew

Dr. M. Stanley Livingston, Director of the Cambridge Electron Accelerator, has handed in his resignation from that post, effective September 30. His action results from dissatisfaction among the users of the facility of three interrelated problems.

Three conflicts

These are: competition for funds among the various research accelerators in this country, the methods to be used in the graduate education of the next generation of physicists, and the place of research in an academic environment.

The CEA is funded by the AEC, and jointly administered by MIT and Harvard. At present, it has been described as "the largest laboratory — for pre-doctoral scholars — at Harvard," by Livingston.

The machine is headed by a

10-man executive committee, six of whose members are scientists. These six, as the Scientific Committee, make the decisions relating to research goals and priorities.

Livingston says he is resigning
(Please turn to Page 7)

Scholarships were provided by the CIA for overseas representatives, and "clandestine salary supplements" were given to some NSA officers and staff workers. It was also noted by Gene Groves, president of the NSA that about eighty per cent of the Association's annual budget came from CIA funds. The CIA has been supporting the NSA since early in 1950, supplying about two hundred thousand dollars each year.

Deferments obtained

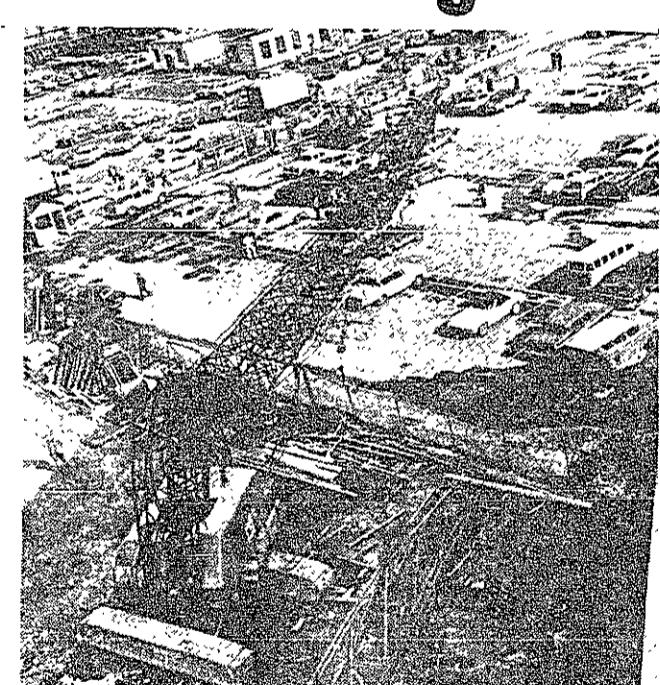
The CIA "did occasionally assist in obtaining (draft) deferments" for some officers and staff of the NSA. The draft disclosure came after a statement from Rep. Robert W. Kastenmeier, (D-Wis.), who said that he had information that top officers of the NSA automatically received a 2A occupational deferment.

NSA representatives have been used by the CIA to gain access to the trust and confidence of individuals active in international student movement.

NSA "duped" by CIA

According to Sam Brown, a Harvard Divinity student and Chairman of the ten-member National Supervisory Policy Board of NSA, "people were duped into the relationship with the CIA, a relationship from which there was no way out." Past officers of the student organization, however,

Crane blown down at Eastgate



The truck and camper demolished by the crane (left) belonged to Professor Montgomery of the Department of Management. The camper contained computer programs on which Professor Montgomery has worked for the last two years. A "bird's eye view" from the Hermann Building shows the crane and the fallen boom in the Sloan parking lot.

The Sloan parking lot was the last week and work with the tower crane was done.

Gust of 80 mph

The crawler crane was being used to lower the last section when a sudden gust of wind estimated at eighty miles an hour lifted the boom over a point behind the cab and started its fall. Pete Rode, who witnessed the incident from the Dewey library, said that the crane was "inclined at seventy to seventy-five degrees. Then it began to move slowly back up towards ninety degrees. It passed ninety degrees and then a cable snapped. It then began to fall very rapidly."

The boom fell diagonally across the Sloan parking lot all the way

so that the top end reached some three feet into the sidewalk on Main st. Ten cars and a pick-up truck with a camping fixture were demolished. Fortunately no injuries or near-injuries occurred.

Computer programs destroyed

The truck and camper were owned by Professor David B. Montgomery of the Department of Management. Contained within the camper were boxes of IBM punch cards with numerous computer programs on which Professor Montgomery had been working for the past two years. There were eight full and two partially full boxes of such cards. Some were damaged, but most of them were salvagable.

UN necessary factor

Wiesner lists suggested steps to lead to world disarmament

(This is the last in a series of three articles about Dr. Jerome B. Wiesner, Provost of MIT, and his thoughts about disarmament.)

By John Foran

"Is it possible to be serious about disarmament in the reality of today's world?" Dr. Jerome B. Wiesner discussed that question in a talk presented in Washington to the National Assembly of World Federalists and in hearings before the Senate Committee on Foreign Relations. An article on this subject will appear in this week's Saturday Review.

Dr. Wiesner chaired the White House Panel on Arms Control and Disarmament, which recommended measures constructed with the trial-and-error guideline discussed earlier in this series. Despite criticism for incomplete reports, the panel felt

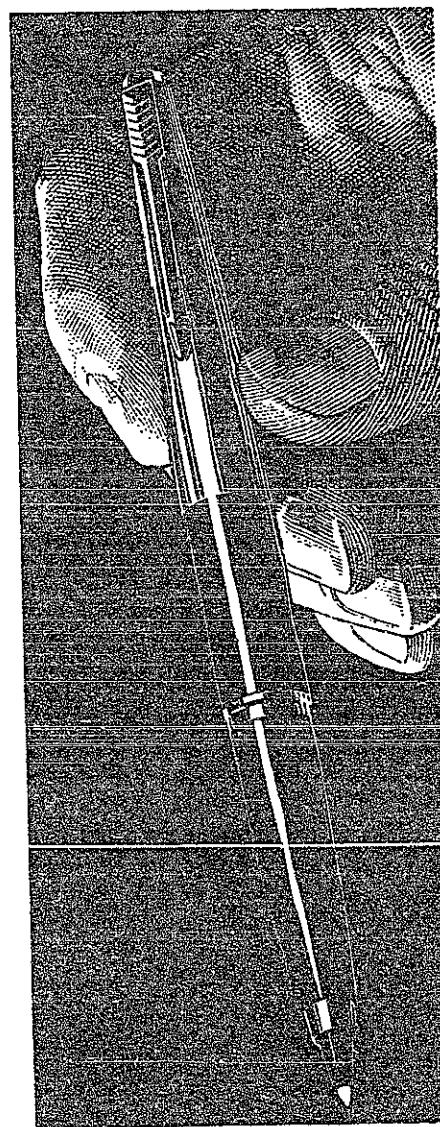
Blamed on Vietnam

And yet no one was rushing to install even the modest suggestions of the panel. "While some people, including the Soviet delegate to the Geneva Disarmament Conference, blamed the lack of disarmament activity on the Vietnam war," said Dr. Wiesner, "I do not think the degree of genuine commitment to disarmament has changed very much, nor that it was ever adequate to the need."

Part of the disarmament problem can be viewed as a problem of computer technology, as a function of trial-and-error. Dr. Wiesner compared society to a giant learning machine and set

(Please turn to Page 3)

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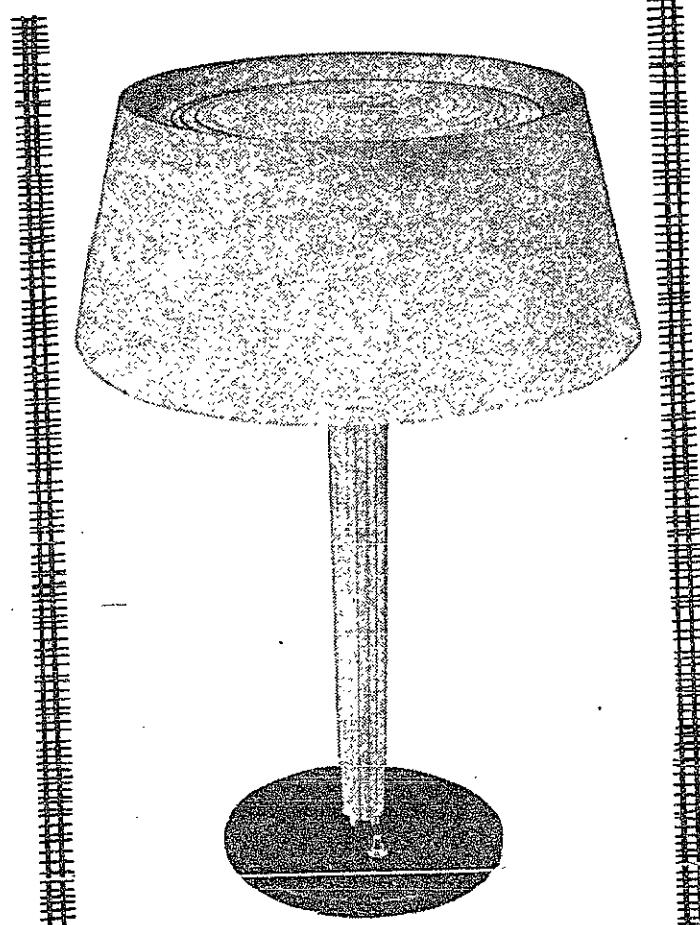
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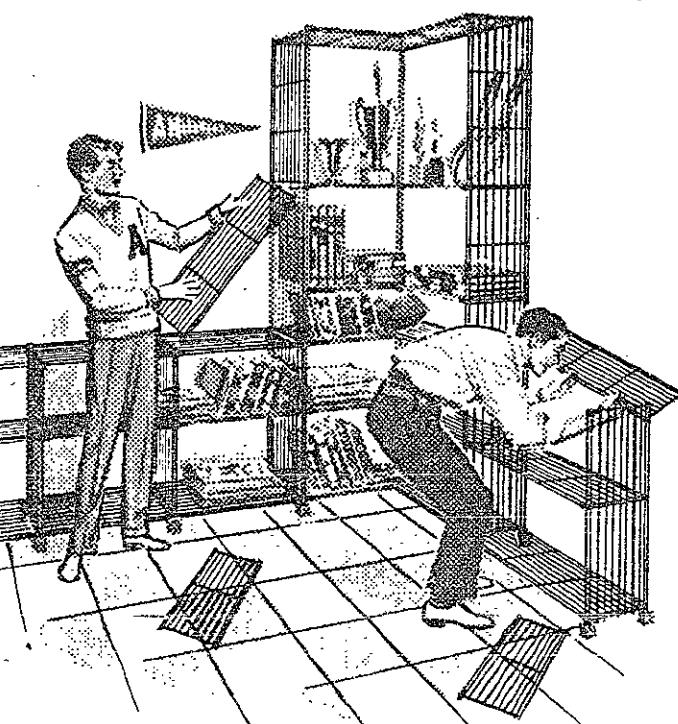
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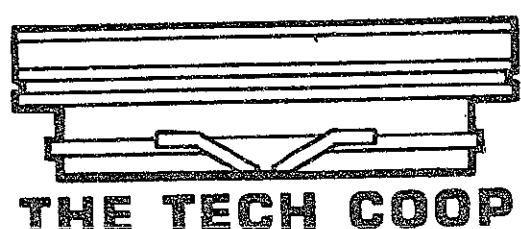
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Panel asks peace forces

(Continued from Page 1) some conditions on it: (1) it should be able to carry out experiments rapidly and simultaneously; (2) channels of communication should provide rapid and accurate messages, so that difficulties can be quickly transmitted; (3) error-detection systems must be sensitive enough to detect malfunctions early; and (4) only small risks should be involved in any single step or experiment.

Fitting the model

The steps that would be workable with that type of model would have to be separately negotiable, to require no inspection, and to represent steps toward a safer world. The recommendations included:

For the United Nations: "the creation of a UN peace force composed of a stand-by force recruited from member nations; a UN elite force of 2000 men; a strengthened Peace Observation Corps available to the Secretary-General; regional and worldwide non-aggression pacts; and the development of a legal foundation strong enough to support the peacekeeping activities." Needed

financial support could be appropriated from military budgets.

Non-proliferation

On nuclear weapons: "a non-proliferation pact; pledges by the nuclear powers not to attack or threaten to attack a non-nuclear nation; defense guarantees for non-nuclear nations; a U.S.-British-Soviet treaty to cease production of nuclear materials; and the creation of nuclear-free zones in Latin America, Africa, and the Near East." The non-proliferation, though, holds top priority.

On European security: a non-aggression pact between NATO and the Warsaw Pact Organization; a U.S. effort "to ensure that measures to improve Western security do not result in the creation of new nuclear forces"; and an exploration of the possibility of "steps which would help lead to German reunification."

Limiting delivery capability

On the total weapons race: the "limiting (of) the strategic delivery capabilities on both sides, (including) a freeze on the number of delivery vehicles, followed by a cut . . . and a moratorium on the deployment of anti-ballistic-missile defense systems."

In the arms race among underdeveloped nations: the U.S. should

seek "to have controls established over the traffic in arms," to get regional non-acquisition agreements and to get "US-supervised agreements about sale and acquisition."

A UN monitoring system should be established. The major powers should "provide security for the less-developed nations," as supervised by the establishment of UN peacekeeping procedures.

Thus the strength of the United Nations is of supreme importance in the recommendations. Neither Dr. Wiesner nor anyone can accurately speculate on their estimated success. But they do offer a sensible beginning.

MIT reaffiliation with NSA considered after 8 years

(Continued from Page 1) eight to four majority agreed that NSA had failed at MIT, not because MIT officials were ineffective, but because the Association's attitude was wrong.

The 1959 discontent began when NSA made resolutions on national and international issues without a majority representation from American college students. At the time of disassociation, it was suggested that MIT might wait and "see if NSA improved." If it did so, Inscomm agreed, MIT should definitely re-affiliate.

Inscomm considers re-affiliation
Since 1959, most of MIT's Undergraduate Activities Presi-

dents have attended the NSA Congresses, and MIT has received the Association's Newsletter. It has thereby gained some peripheral benefits from the NSA. Recently MIT has received additional encouragement to rejoin, and Inscomm has decided to consider the proposal. A committee will be set up to study the effects that re-affiliation would have on MIT. The committee will be composed of Frank March, UAP, the new UAP, when he is elected, and one or two other interested persons. March feels that MIT may benefit from a renewed union with the NSA, and considers the proposal to rejoin "worth looking into."

MIT satellite to orbit the sun

Years of research by Prof. John V. Harrington and other members of the MIT Center of Space Studies have culminated in a new solar exploration satellite called Sunblazer. The purpose of this project, supported by funds from the National Aeronautics and Space Administration, is to discover information on the thermonuclear reactions in the sun, es-

pecially the corona. It will also shed light on the "magnetic storms" which disrupt radio communications on earth.

To follow earth orbit

The 40 pound projectile can be put into a solar orbit on the opposite side of the sun from earth by a small scout rocket. It will take 18 months for the satellite to get to the other side of the

sun, after which it will make one revolution every nine months. Thus, for about 200 days, scientists will be able to gather data gleaned from the signals of two different frequencies beamed through the sun by Sunblazer. The time difference between the arrival of the signals will carry information on the electron density of the sun.

A great deal of work went into the development of the communications system necessary to receive and analyze the signals received from Sunblazer. The Center has an experimental antenna at El Campo, Texas.

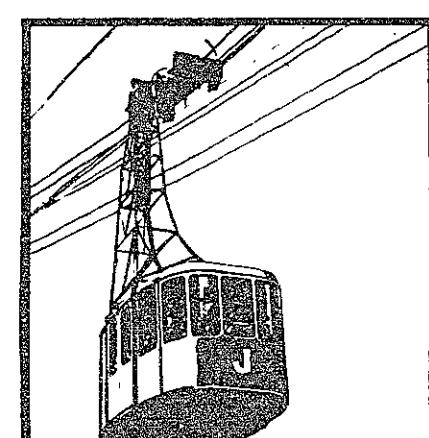
Design kept simple

The satellite itself consists of a "sail" of aluminized mylar attached to a simply-designed instrument package; bombardment of the sail by sunlight will keep the satellite's solar power cells focused on the sun. High power transistors, functioning independently of each other, will scale power supply up to 600 watts.

The first launch is scheduled at Wallops Island, Va., late in 1968; others are planned for 1969 and 1970.

Project inexpensive

One of the advantages of the project is its relative inexpensiveness: NASA has been supporting it with about \$250,000 per year. This will be enlarged to \$2 million for the fiscal year beginning next July 1. NASA is also looking for similar projects that can be undertaken by individual university research groups such as Sunblazer.



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The NSA, CIA, and MIT

The recent disclosures concerning the NSA and its financial support by the CIA raises some pertinent questions relevant to MIT's student government. The 1959 decision to withdraw from NSA was based on the belief that the organization had not lived up to its purposes of communication, development of student responsibility, and unified representation of opinion. Instead, it was contended, the NSA was not dealing with issues within its domain as "students in their role as students." Inscomm, at the time, questioned NSA's national pronouncements and concern with things purely political.

Now it would seem, we are in a position to say, "I told you so." However, the covert support of NSA by the CIA should not discredit everything the organization has done or said. Though the CIA may have been a substantial part of its income, it is doubtful that the NSA was completely a tool of the government. In fact, it disagrees with US foreign policy.

The problem of the government intervening into student activity creates, at worst, grave concerns about a police state, or at the mildest, the regret that government has entered another area of private endeavor.

We are not at issue with the concept that the government has a right to grant funds to organizations it wishes to support. Student groups are not so fundamentally different from a large number of projects and organizations which re-

Great debate

George Washington has given all of us a day off to relax or study. For this we are grateful. He has also removed any excuse not to attend tomorrow night's debate in the Student Center among the three UAP candidates.

At 7:30 pm in the Sala de Puerto Rico, each candidate will give a 5 minute presentation, following which will be questions from the audience. We think everyone should attend the discussion; it is the only opportunity to compare the candidates side by side and to ask questions when the answer goes on the record. Take advantage of the opportunity.

By Michael Warren

12. A sinister malady seems from the symptoms of an or to be taking grip of student coming illness. On the Administration sid of student affairs, Dean Wacleigh was out due to an illness and missed being Dean of th Day. (Dean of the Day has n appointments for that day an is free to talk to students wh wish to come in and discuss almost anything that is trout ling them.)

13. A major change in th General Institute Required Subjects may be in the offing. An change will not be of the magnitude of that which halved th requirements for the class c '69 but, nonetheless, the fresh man curriculum should undergo a minor facelifting. The traditional opponents of change the course in question, is active ly looking for a change in th instance, which makes the curricular revamping somewhat unique.

14. Although MIT had three of the country's five highest scorers on the recent William Lowell Putnam Math Competition, it took second place t Harvard. The three whiz kid did not represent the "official MIT team" which finished behind the "official Harvard team." Two of the five highest scorers live in Burton House and these students plus another high scorer all live on th fourth floor of the dormitory. This must constitute a record for the highest concentration of per-capita Putnam scor anywhere in the world. Accordin to the Burton Reflecto this makes the fourth floor c Burton House "top floor in th country."



ceive aid from the budgets of HEW, or the State Department, or other agencies. But, when money is provided covertly, especially by a body such as the CIA whose activities are enshrouded in mystery, then there is cause for alarm. The government is justified in wanting to send responsible students to international student conferences, but if it wishes to pay for them, it should be able to do so openly.

For Inscomm remains the problem which it has considered since withdrawing from NSA over 7 years ago. There are benefits from such national associations. We see particular gains to be made in participating in those groups which do aid communications and enable an exchange of ideas, such as the Boston council. What we do not believe is a sound policy is membership in a politically oriented structure over whose statements we exercise little control, yet to whose pronouncements we find ourselves bound.

It is the individual's right to associate as he wishes, but a student government should not allow another body to pretend to speak for the individual student on such matters.

As NSA attempts to solicit our membership, Inscomm should continue to conduct intelligent fact-finding studies, but any decision to join should be deferred until the full effects of recent events are known.

Letters to The Tech

Photo contest

To the Editor:

Last year you sponsored a photographic contest. Although I have not heard anything about it this year I assume you will hold it again. It would be a good idea to exhibit the entries (if there are enough of them) in one of the lounges. That will not only be of interest to the community and visitors but will give all participants an idea of what kind of work some of the other photographers on the campus are doing.

Gervasio Prado '66

(Ed. note: The Tech is planning to hold another Photo contest. We are right now trying to locate suitable prizes. Details of the contest will be announced in the near future.)

Housing question

To the Editor:

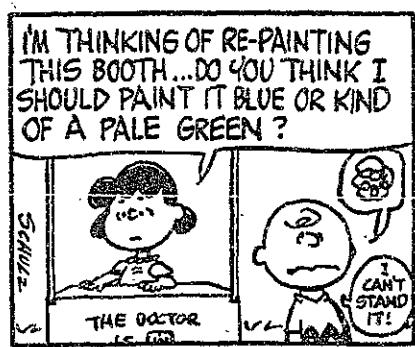
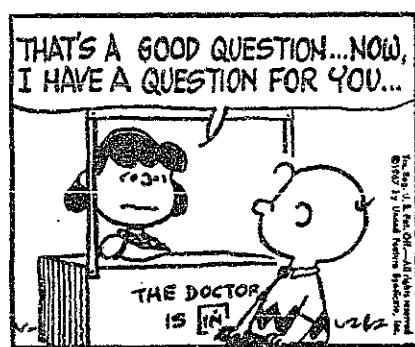
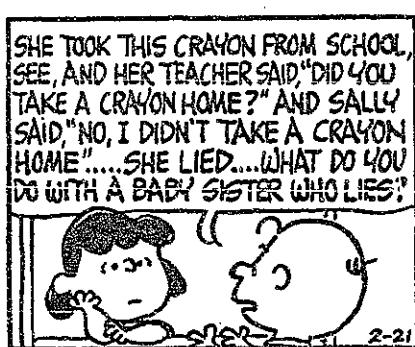
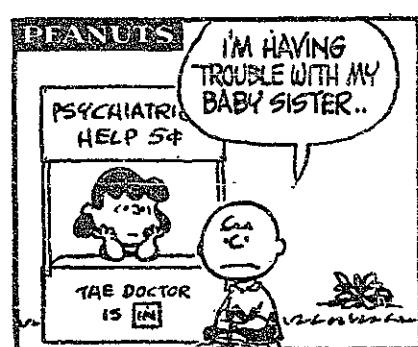
Over the past term there has been much discussion on campus about housing problems at MIT, both long term and short term. The most obvious of these was the Housing Conference held in December, but other meetings of a similar nature have taken place. In November a meeting of the Alumni Inter-Fraternity Con-

ference was held which concerned housing and other problems. In early January the IFC executive committee and the President and Faculty Residents of th Dormitories held a luncheon meeting with the Corporate Visiting Committee on Housing. I am sure that numerous othe formal and informal discussion on this topic have been held i student, faculty, and administrat circles over the same perio of time.

I was privileged to attend th first three of these meeting mentioned, and would like t make two comments concern them. First, the general conserus of each of these meeting either explicitly or implicitly, wa that a housing unit had two pu poses. That of providing basic living and studying quarters and equally important, that of being viable force in the sociologic development of the whole man a MIT. Second, these meeting seemed to consist principally c discussion in the form of an ex change of ideas and opinions. N conclusions were reached or polies set at these meetings.

Recognizing the importance c the dual nature of student housin is a significant step in itself, how ever, meetings of this sort shou go beyond the point of discus sion. Anyone who attended the meetings will attest to the differences of opinion that arose: o fraternities or dormitories, wh kind of dormitories and their location, required on-campus housing for coeds, and other problems. At this point more concret opinions should be expressed b the concerned groups, (fraternities, dormitory men and women

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To stimulate arts

MIT aids cultural study

The Joint Center for Urban Studies of MIT and Harvard will participate in a year long study of the arts in Boston. Plans for the survey were announced Thursday night by the Cultural Foundation of Boston.

To initiate the study, \$30,000 has been provided by the Permanent Charity Fund of Boston in grant to the Foundation.

Named to head the survey is Bernard Taper, author, researcher and staff writer for the New Yorker magazine for the past ten years. A former prize-winning writer for the San Francisco Chronicle, he is the author of biographies of the choreographer George Balanchine and cellist Pablo Casals. He also has written a sociolegal study on the gerrymander of the district in which Tuskegee Institute is located.

Eli Goldston, president of the Cultural Foundation, made the announcement at a Winterfest press reception held at the Louisburg Square house of Ernest Henderson, president of the Sheraton Corporation of America.

"We are hopeful," he said, "that this study will provide useful and fairly specific answers to the questions of what measures should be taken to foster, strengthen, enrich and invigorate the arts of this city and to make them meaningful to an increasingly larger segment of the citizenry."

"The study will aim for guidelines that will help the institutions of the arts, the business community and the public agencies which are becoming increasingly concerned with cultural matters.

"Out of it we hope will come an outline of the range and scope of artistic endeavors desirable for a lively, modern, civilized metropolitan community, and how much activity can be supported."

He said that while much of the information and findings will relate specifically to Boston, it is anticipated that some aspects will have relevance to the cultural situation of other major metropolitan areas.

Kickoff for the study will be a seminar at the upcoming Winterfest, the city's second annual mid-winter cultural jamboree. Spon-

sored by the Junior League of Boston, the seminar is entitled, "New Life for the Arts in the New Boston." It will be held next Tuesday, Feb. 21, at 3:45 in the New England Merchants Bank suite, Prudential Tower.

Mrs. Arthur R. Hilsinger Jr., League president, will be moderator. Panelists will include Wilbur J. Bender, director of the Committee of the Permanent Charity Fund; Danie P. Moynihan, director of the Joint Center for Urban Studies; Goldston and Taper. Representatives of local arts and cultural organizations have been invited to attend.

DC mixer kicks off second term as Walker attracts large crowd



Photo by George Flynn

College mixers are a common event as the second term gets underway. This one, held by the Interdormitory Council last Friday in Walker Memorial, was well publicized and well attended by all concerned.

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Competition spurs CEA conflict

(Continued from Page 1) competing more and more with one in service within the year. because he is not able to agree accelerators for funds and talent. Thus, the pressure to come up completely with the Scientific Committee. "The feeling is," he says, "that the CEA is basically research lab. I am not a research man; I am an accelerator specialist.... It is time to have a director who can make the committee." Moreover, CEA is finding itself facilities, while Cornell will have on new importance.

Until recently, the CEA was the only one of its kind, research graduate students had a chance to become intimately involved with the projects. Now, Hamburg, Germany and Palo Alto, California (Stanford) both certain that, with Livingston's have similar but more powerful resignation, research will take place.

No one will say what will happen to the teaching, but it seems decisions now being made by the committee. Both CEA and the de-graduation, research will take place.



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Perform applications research work in coatings, foam applications, isocyanates and elastomer processes. These positions also entail customer service work. (Location: Pittsburgh, Pennsylvania)

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Design of industrial plant, electrical power distribution systems, controls circuits and lighting systems; establish maintenance schedules and procedures on all electrical equipment; conduct load surveys on existing power distribution systems. (Location: New Martinsville, West Virginia)

MECHANICAL ENGINEERS

In applications research section, work with small scale precision machinery encountered in the rubber and plastics industry; work also requires some customer-contact. (Location: Pittsburgh, Pennsylvania)

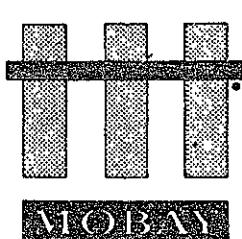
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February 27, 1967

W. E. White, Personnel Administrator



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Press conference

UAP hopefuls propose greater use of feedback

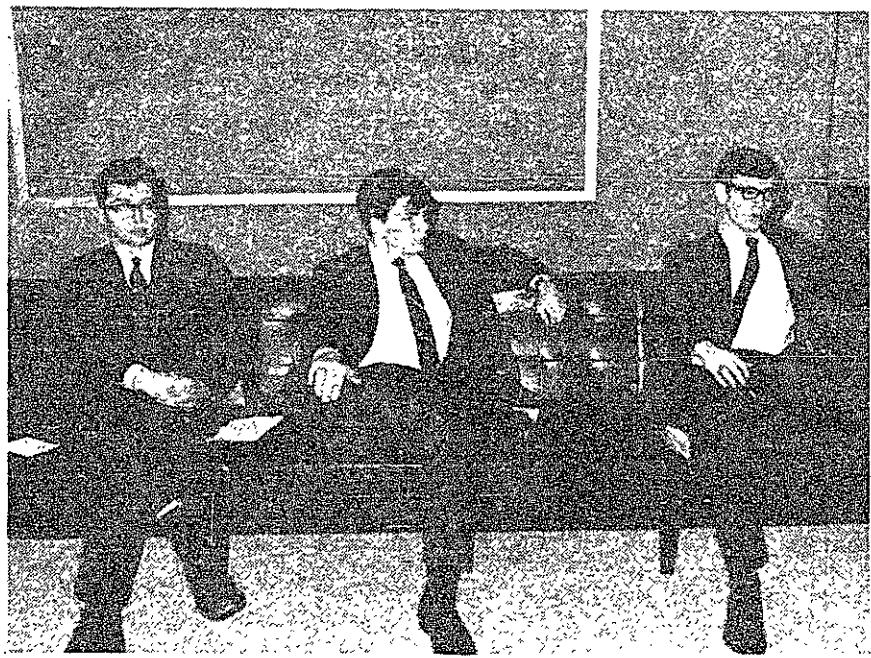


Photo by BILL Ingram

The three UAP candidates (from the left), George Phillips, Rick Karash and Bob Horvitz, spoke to the Board of Directors of The Tech in an informal press conference held Sunday afternoon.

(Continued from Page 1) by sending Inscomm agenda to all students and by encouraging the living groups to hold their house meeting a day or two before Inscomm meetings.

Contact with faculty

Rick proposed that seminars be held in the living groups in order to encourage contact between the students and the faculty members. Such seminars, which might be held for students in a single dorm or a collection of fraternities, would tend to narrow the gap between the academic and residential communities.

He concluded his talk by bringing up three more problems—living group interaction, the need to study the judicial structure, and the inability of the course honoraries to do anything constructive.

George Phillips

The final candidate, George Phillips '68, explained what he considered to be the three main problems confronting the UAP. These are "student environment (such as) coordination of student activities and physical environmental problems . . . academic problems . . . and dormitory renovation and problems affecting the dormitories."

George warned that some of the present Inscomm subcommittees carry on "too much bureaucratic sort of work." As examples of this, he cites the work of the Activities Executive Board and Finance Board.

Academic achievement

"Academic achievement" is the basis on which George felt such proposals as pass-fail systems and reading period extensions should be examined. He explained that these ideas should be looked into

more carefully, rather than be accepted merely as something new and different.

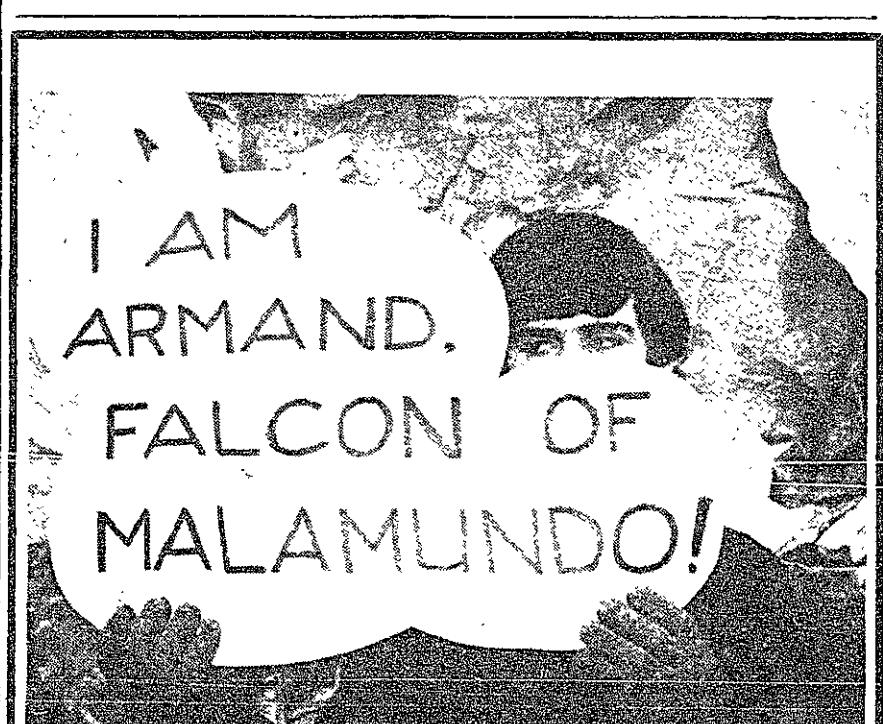
He concluded his talk with a brief discussion of the suggested dormitory rush. His opinion was that such a project must be undertaken with care; otherwise, a highly-successful rush might lead to further overcrowding of dormitories with "walk-through triples" resulting in the Conner side of Burton House.

Question and answer

In the question and answer period which followed the informal talks, the candidates were asked to explain their qualifications for the position of UAP. Bob cited his activities' background, in particular, his work on AEB, FinBoard, and The Tech. Rick referred to his background in SCEP, the Secretariat, and FinBoard, which he felt gave him familiarity in dealing with faculty members, as well as a knowledge of Inscomm's activity structure. George claimed to have "sufficient familiarity with the problems" of each of Inscomm's subcommittees, primarily through work on the Science Fiction Society and the Strategic Games Society.

Powers of UAP

When questioned on what personal powers he would use as UAP to influence decisions, both Bob and Rick emphasized the use of personal contact and the role of the UAP in allocating duties to the proper people. On the other hand, George explained "my own idea on personal power . . . in order to be useful it must be used sparingly." He preferred written contact as a more effective means of influence.



TECH SHOW '67
MARCH 3, 4, 9, 10, 11

Looking Back

By Lee Shaeffer

80 Years Ago

An editorial in the April 28, 1887 issue of the TECH describes MIT as having a reputation as a place of grinds, and called upon the student body to participate more in social life and athletics. It said MIT had a unnecessary image throughout the world as being a place where an individual sacrifices friends, health, and enjoyment for the possession of a knowledge which may do him no good when he gets it, because he has ruined his constitution in its acquirement. If social life and athletics were supported by more of the student body, MIT could retain its reputation as one of the foremost and finest scientific schools in the United States, and at the same time lose this undesirable one of forgoing health and enjoyment in this pursuit of knowledge.

The editorial noted that because the students returned to their homes each night, the social advantage of dorm life were not realized. "Therefore, as dormitory life is impossible for us, we must make our reputation in athletics, and prove that we are not dying of over-study."

The editorial staff, exactly

two weeks later, stated that the sport that MIT was most successful in was football, but that we could do better if the team started practicing earlier before the start of the regular season. It even suggested an inter-class championship contest be run so that the captains may decide who the best players are early in the year.

40 years ago

The Institute was not too successful in baseball that spring. After two losses (in as many games) the baseball team was dissolved due to illnesses and general dissatisfaction.

The "Dorm Rumor" charged that food served in Walker Memorial Dining Hall was unfit to eat, and challenged anyone to eat three meals a day there and not grumble. The food is placed on the steam table for the first time at noon and by supertime it is unpalatable. It has also had a good opportunity to pick up foreign bodies which "have caused the dorm men much distress." The publication even ran a contest for the most unusual foreign element and in every issue it published the names of the winners and their findings.

A questionnaire completed by graduates of 10 U.S. colleges and universities depicts the students idea of an ideal wife as a "home body" who will have at least two children and does not care for a business career of her own.



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movie . . .

'Blow-Up' proves thought-provoking



David Hemmings photographs five famous models, played by, left to right, Jill Kennington, Peggy Hoffitt, Rosaleen Murray, Ann Norman, and Melanie Hampshire, in this scene from 'Blow-Up' at the Paris Cinema.

'BLOW UP' — directed by Michelangelo Antonioni; screenplay by Antonioni and Tonino Guerra; produced by Carlo Ponti; Daniel Hemmings as Thomas, Vanessa Redgrave as Jane, Sarah Miles as Patricia; at the Paris Cinema.

By David Koffman

Michelangelo Antonioni's "Blow-Up" is a remarkable movie. Beautifully photographed, well-acted, and always interesting, it is not so much the kind of movie that you enjoy as the kind that you think about.

Thinking about the movie is what makes it interesting; for there is very little plot, and while the much-touted display of skin that has generated so much of the present interest in the film is definitely there, it would hardly be worth sitting through all the much more relevant remaining parts to see. What plot there is, is very simple and is constantly interrupted by about four subplots. It is the theme behind the plots that makes them a unity and

keeps the viewer's attention focused.

Mod photographer

The main character, played by David Hemmings, is a mod fashion photographer. This fast-moving backdrop shows a rather extreme confusion of ideas and values that produce a crisis in the photographer's life. A very important question in "Blow-Up" is, "What is real?" The world in which he moves is plagued by a loss of contact with reality, and the photographer's trade of capturing images on paper to preserve them is symbolic of the attempt to find substance amid the confusion.

There is a feeling that, as the characters race through their lives, they lose their sense of continuity. An artist friend of the photographer complains that paint-

ings he did just a few years ago don't seem real to him anymore. The photographer himself is in an odd position; he thinks of himself as a sane person among the insane, yet his art is devoted to the neurotic attempt to capture the past.

Instability of reality

The action of the story, involving his accidentally photographing evidence of a crime, covers about one day and leaves his false security destroyed. He is forced to recognize the instability of reality in his world and finally to accept unreality as a way of life.

The subplots, mostly concerning his fashion work, fit so neatly into the scheme of the movie, that, even though the viewer may not see their significance at once, there is never a dull moment.

Moreover, the photography of "Blow Up" is interesting in itself. The outdoor scenes in particular are notable. The lighting and color carry the mood of a scene right into the theater better than any dialogue. The whole effect is a lasting visual and auditory impression. The bright colors of the mod fashions, the oddly furnished apartment of the hero, the unusually distinctive visages of the characters, and the striking contrast between the beautiful hues of parks and the stark colors in the neighborhood of the studio are an important part of the movie. Sounds are provided by the Yardbirds, with whom the visual symbolism of the larger story is recast in miniature in terms of sound.

Letters to The Tech

(Continued from Page 4)

in order that the administration may take these viewpoints into account when policy decisions are made. These should be in the form of positions papers expressing their overall feelings in an organized and detailed form. After these papers are presented, they should be discussed in detail with members of the administration and revised if necessary. When and if this is accomplished, the administration should, in return, express its reactions to the papers, and express in detailed form its goals for housing at the Institute and how the various groups fit into these goals.

The initiative at this point should be taken by these various groups mentioned above. If they have opinions to express, they should make the effort to have them heard in a manner which will have some degree of permanence and force behind it. This will make the policy setting problems of the administration significantly easier in this area. I would assume that if these student and faculty groups take the

time to express their opinions, the administration will reciprocate with a candid expression of its policies.

Peter R. Denton '67
I F C Executive Committee

7.02 not offered by Biology Dept. in next fall term

Contrary to earlier expectations, it is unlikely that the Biology Department will not offer a section of 7.02 in the fall term of 1967-68. 7.02 will be expanded in the spring term of 1967-68 to accommodate more students.

Those who had planned to take 7.02 in the fall should make alternative plans and may consult biology headquarters (56-511) for suggestions.

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Making the Scene**movies . . .****Sanity seen as a 'Delicate Balance'**

By Sherry Gulman

MIT — Paul Butterfield Blues Band with Jim Kweskin and the Jug Band; Feb. 25, 12-4 pm; \$3.
New England Conservatory — New Event Ensemble: Cooke's 'Quintet for piano and strings, 1964,' Xenakis' 'Herma,' Schoenberg's 'Pierrot Lunaire, opus 21'; Feb. 22, 8:30 pm; Jordan Hall; free.

Radcliffe — Choral Society, Villa-nova Singers and the Bach Society Orchestra; Schubert's Mass in G.; Feb. 24, 8:30 pm; St. Paul's Church; free.

Tom Rush — concert; Feb. 21, 8 pm; John Hancock Hall.

Wellesley — oratorio setting of T. S. Eliot's 'Ash Wednesday' by the Wellesley College Choir, Harvard University Glee Club and Cambridge Festival Orchestra; Feb. 26, 8:30 pm; Houghton Memorial Chapel; free.

BOSTON UNIVERSITY — Peter Chapman, trumpet recital; Feb. 21, 8:30 pm; BU Concert Hall; free.

BOSTON UNIVERSITY — Paul Butterfield Blues Band with the Orphans and Plumpkin; Feb. 25, 8:30 pm; Sargent Gym; \$2.50, \$3.50.

Cambridge Center for Adult Education — Rolf Cahn, flamenco & blue singer; Feb. 24, 8:30 pm; \$1.

Harvard — Adams House Musical Society; violin and piano sonatas; Feb. 24, 8:30 pm; Adams House; free.

Harvard — Dunster House Music Society Concert; Mozart's 'Flute quartet, k. 285,' 'oboe quartet, k. 370,' 'clarinet quintet, k. 581'; Feb. 26, 3 pm; Dunster House; free.

Harvard — Zurich Chamber Orchestra (first Boston appearance); Feb. 24, 8:30 pm; Sanders Theatre.

MIT — Charles Lloyd Quartette; Feb. 21, 8:30 pm; Kreske Auditorium; \$2.50, \$3.50.

MIT — Robert Baker, organ recital; Feb. 22, 8:30 pm; Kreske Auditorium; \$1.50.

Kibitzer

By Mark Bolotin

North

♦ A J 7 4 3
♥ J 2
♦ Q 3 2
♣ A Q 5

an intelligent decision about where to play the hand.

The opening lead was the 6 of hearts from East! since this was a lead out of turn, South had several options open to him. Realizing that his strong heart holding made a heart lead desirable, South merely required West to lead a heart. (Had South been able to see the J and 2 of hearts in dummy, he would have simply accepted East's lead as it stood.)

West's 9 was covered by J, Q, and Ace and Ace and South naturally attacked spades. His ♠ was covered by K and Ace and East discarded a heart. When South recovered from the shock of a 50-break, he realized he had been very lucky! At the other table they would probably be in 4 spades going down whereas he still was hopeful of making 3 no trump. In fact, even if he went down, the other pair was likely to set a greater number of tricks because they would not be able to avoid the spade losers.

At this point South could count a total of 7 sure tricks, 7 spades, 3 hearts, 1 diamond, and 1 club, with possibilities for more in the minor suits. Entries to the South hand were becoming scarce, but since the only possible entry West could have was the King of diamonds, it was safe for South to lead a diamond to the Ace and attack clubs.

When South led the 10 of clubs everyone ducked. This was a defensive error on East's part but as the cards lay, South would have made his contract anyway. East's error, however, did enable South to adopt a very elegant line of play which insured the contract against any distribution. Recalling that East had discarded a heart at trick two, South cashed his heart winners and threw East in with his low heart. East was able to cash one more heart winner but then had to lead either a club or a diamond up to dummy and present declarer with his ninth trick no matter where the minor suit kings were.

South's analysis of the hand was quite accurate because, at the other table, the opponents were, indeed, set in 4 spades, for an and North could have then made 11 IMP gain to South's team.

♦ K 10 9 8 2
♥ 9
♦ K 10 8 7
♣ J 8 4

♦ None
♥ Q 8 7 6 4 3
♦ J 6 4
♣ K 7 6 3

♦ Q 6 5
♥ A K 10 5
♦ A 9 5
♣ 10 9 2

Neither Vulnerable

North East South West
1 ♠ Pass 2 NT Pass
3 NT Pass Pass Pass

Today's hand comes from a recent IMP team-of-four match in intramural league and provides a good example of the fact that, even at forms of scoring other than regular match points, it is frequently preferable to play a hand in no trump rather than in a trump suit, when the conditions are right.

In match point play, tournament players frequently forego the opportunity to play in a trump suit because of the heavy premium given to successful no trump contracts. At IMP, however, the small premium given to no trump contracts is never an important consideration and South chose to play in no trump rather than spades, because it was likely to be an easier contract to fulfil.

Since North-South were playing "five-card majors," South knew that his 13 points and three-card trump support would make 4 spades a reasonable contract. However, he also realized that his balanced distribution and general strength might prove more advantageous in no trump than in spades. He therefore forced to game with 2 no trump, and was content when North currently raised to 3 no trump with his balanced hand. Had North been unbalanced, he could have bid a new suit or rebid his spades. South would then have bid 3 or 4 spades and North could have then made 11 IMP gain to South's team.

At the other table they would probably be in 4 spades going down whereas he still was hopeful of making 3 no trump. In fact, even if he went down, the other pair was likely to set a greater number of tricks because they would not be able to avoid the spade losers.

John Frankenheimer; produced by Edward Lewis; starring James Garner, Eva Marie Saint, Yves Montand, Brian Bedford, Jessica Walter, Francoise Hardy.

By John Huchra

Don't be misled by the title of this movie! It is a film about Formula 1 racing on the international Grand Prix circuit, but, even more than that, it is an intense, fascinating story of four champion drivers and the people around them. Probing into their characters, the film not only describes beautifully the thrill and glamour of 'Formula 1' racing, but tries to explain the motives behind the men gambling with death to win the driver's championship.

Four drivers

James Garner portrays American Pete Aron, driving at first for Jordan-BRM, a British firm, as their second entry. An ex-Grand Prix champion, he lives only for racing and the chance of winning again. The only mistake made by Frankenheimer is his failure to express more clearly the deeper emotions of this man.

Yves Montand gives the best performance of the film in the role of Jean Pierre Sarti, the oldest and best racer, twice world champion. His is the choice between the woman he falls in love with and one last fling at the championship. It is the change in his values as the film progresses that gives insight into the real motivation behind a racing driver.

Brian Bedford plays the unforgettable role of Scott Stoddard, the man who will do anything to live up to his brother's reputation as a driver.

Fine photography

The photography in the film is something not to be missed. For the first time the action and excitement of 'Formula 1' racing is brought to the Cinerama screen producing a simply indescribable. Cameras and camera cars were

developed to take pictures at speeds of over 150 mph. Some of secret Maranello factory.

Coveted prize

—Phil Hill, Jack Brabham, and Graham Hill—were brought in as technical consultants. Almost every car that actually competed in the 1966 Grand Prix season was duplicated for the film—which accounts for its \$8,000,000 budget. The company even obtained one can win.

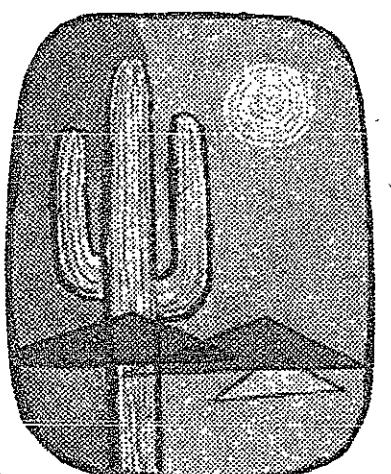
Sophomores order rings during three day interval



Photo by Dale Stone

Orders for class rings were taken in the lobby of Building Ten between Wednesday and Friday last week. Dieges and Clust, the firm contracting for the rings, sent two representatives, shown here on Friday afternoon filling orders.

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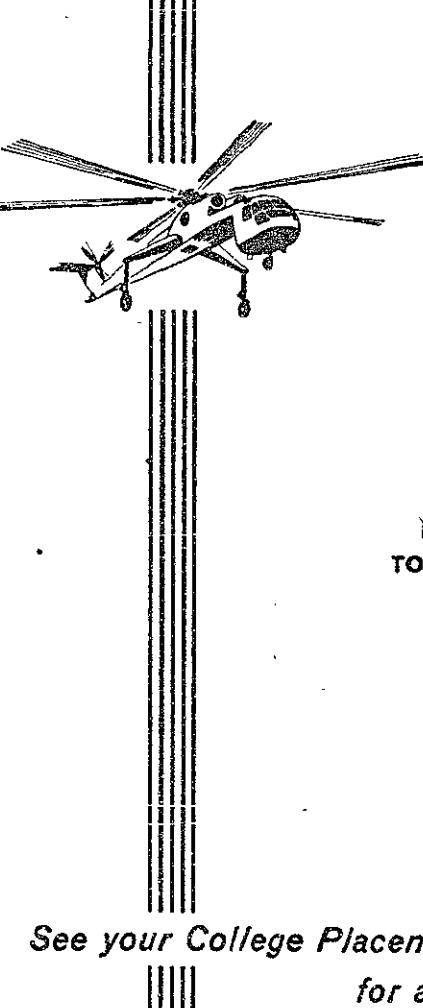
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Monday, February 27

Student Center to house Eastern bridge tournament

This week's regular duplicate bridge game will be cancelled due to the Eastern Intercollegiate Bridge Tournament, to be held in the Student Center this weekend. A two-session Open Pairs Championship will begin at 2 p.m. and 8 p.m. in room 407 of the Student Center Saturday. Sunday's game will be a Board-a-match Team-of-four Championship to be held at 1 p.m. and 7 p.m. in room 407 Sunday.

The fee is \$1.50 per person per session, except for MIT students who belong to the Bridge Club, for whom the fee is \$1. All college students are eligible for the tournament and for master point awards; however, in order to be eligible for trophies, one-half of each unit (pair or team) must consist of undergraduates. Defending champions in the tournament include John Hrones '68 who was victorious in last year's pair contest.

The regional qualifying round of the National Intercollegiate Bridge Tournament was completed Saturday at the Boston University Student Union. Ken Lebensold and Phil Selwyn nosed out Bart Bramley '69 and Bob Creecy '70 for East-West honors by a score of 93-91 out of 120 possible par points. The other two MIT pairs, Mark Bolotin '68 and Mike Chasan '67 and Bill Horton '68 and Joe Viola '69, also played

East-West and finished 3rd and 5th respectively.

Winners in last week's duplicate game at the Bridge Club were: 1. Walter Griffith '70 and R. Dixey; 2. Bardsley and Dave Roy; and 3. Dave Olson '68 and Larry Harbuck.

Captains of teams entered in the Bridge Club's intramural team-of-four tournament are reminded that all matches must be completed by the end of the month.

Top Innisfree positions given to Smith, White; next issue announced

Sunday night, the voting members of "Innisfree" elected its publisher and editor for the coming year. Elected were: Jim Smith '69 (SH) Publisher and Larry White '69 (AEP) Editor. The election of Business Manager was postponed until June.

The next issue of the magazine will appear March 1 to March 3, it was announced at this meeting.

After the meeting, the Editor and the Publisher announced the appointment of Jim Yankaskas '69 (SAE) and Larry Birenbaum '69 (Bur) as Associate Editors.

Voo Doo elects Board

The Managing Board for next year's edition of Voo Doo will be Steve Gallant '68, General Manager; Irv Simon '68, Editor; Paul Ware '68, Business Manager; and Dave Chanoux '68, Managing Editor.

Bowling team wins

Tech displays prowess in NE Games Tourney

A strong MIT contingent came close to sweeping every event in the New England Regional Games Tournament held last Saturday at Boston University. In MIT's first full competition in the tournament sponsored by the Association of College Unions International, the bowling team took first place in team, doubles, and All-Events and second place in the singles competition; the ping-pong team took first place in the singles event but was disqualified from the doubles competition after winning the event; the bridge team won first, second, and third places in the East-West section of the par tournament competition; Frank Pompei '70, made the finals of the 3-Cushion Carom Billiards tournament; and Doug Friedman '67 made it to the semifinals of the Pocket Billiards Tournament.

Carson Strong '68, Dick Brono-

Sweep Ping-Pong

Lim-Ming Chui, the present NCAA New England Champion, swept every game in the ping-pong singles competition and will probably be competing in the National Tournament this spring. The MIT Doubles team won their competition but were subsequently disqualified for changing a team member during the process of a game.

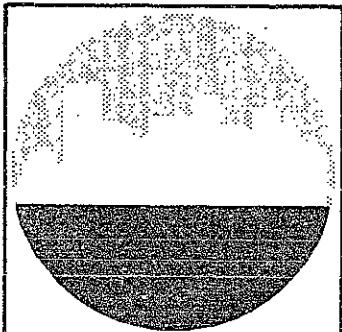
Frank Pompei drew a bye into the semifinals of the 3-Cushion Carom Billiard competition and defeated URI 25-23 to go into the finals. In the final match Pompei was beaten 25-21 by Boston University.

MIT's Pocket billiards champion, Doug Friedman, made the semifinals match by up-ending BU 75-45. In the semifinal match Doug faced the Regional Champion of last year from the University of Maine. After playing even for three innings, the defending champion made a run of 40 balls to essentially sew up the match. The final score was 75-46.

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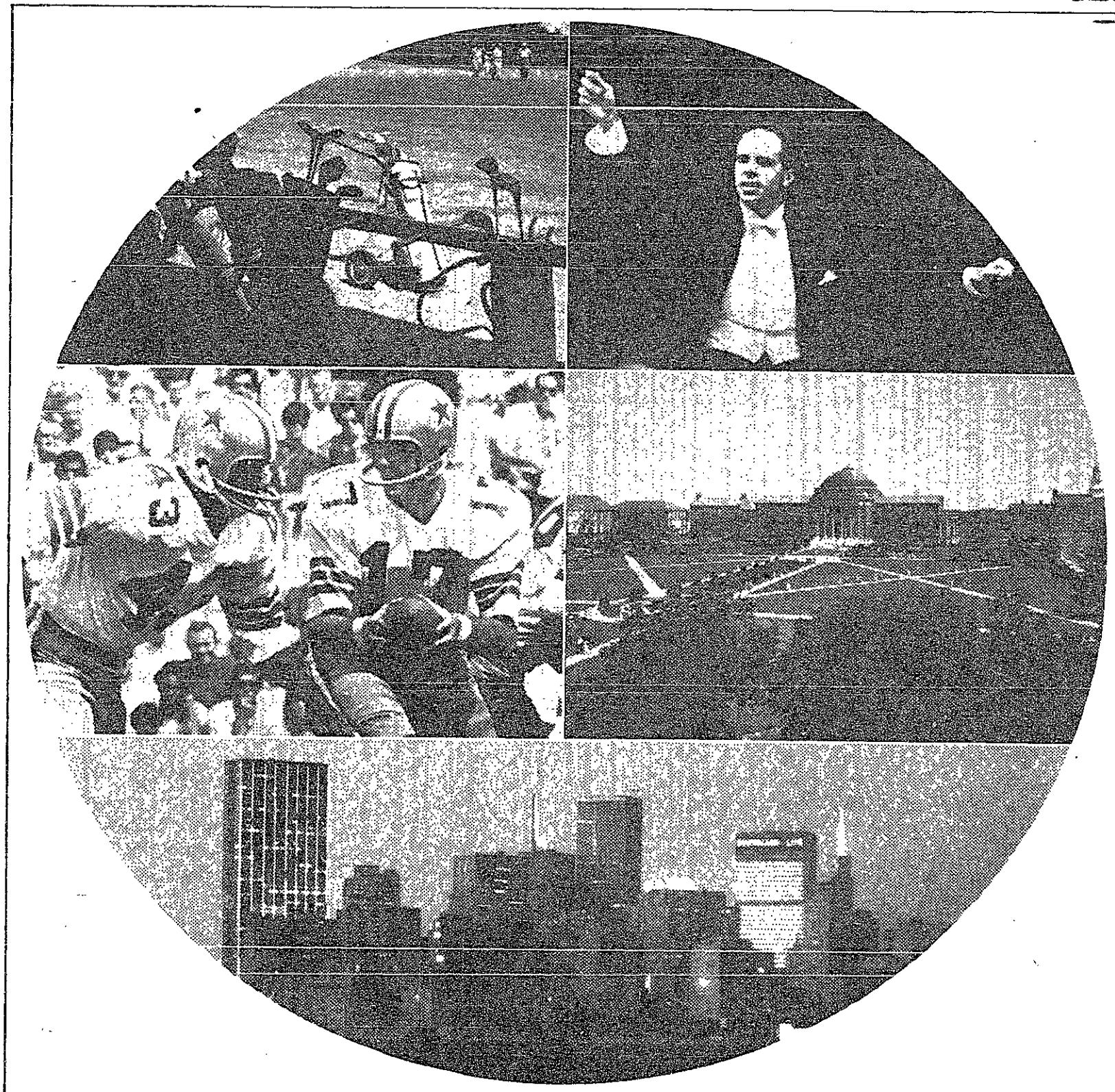
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Campus Interviews

THURSDAY, MARCH 2 & FRIDAY, MARCH 3

WE GOT SO

BIG

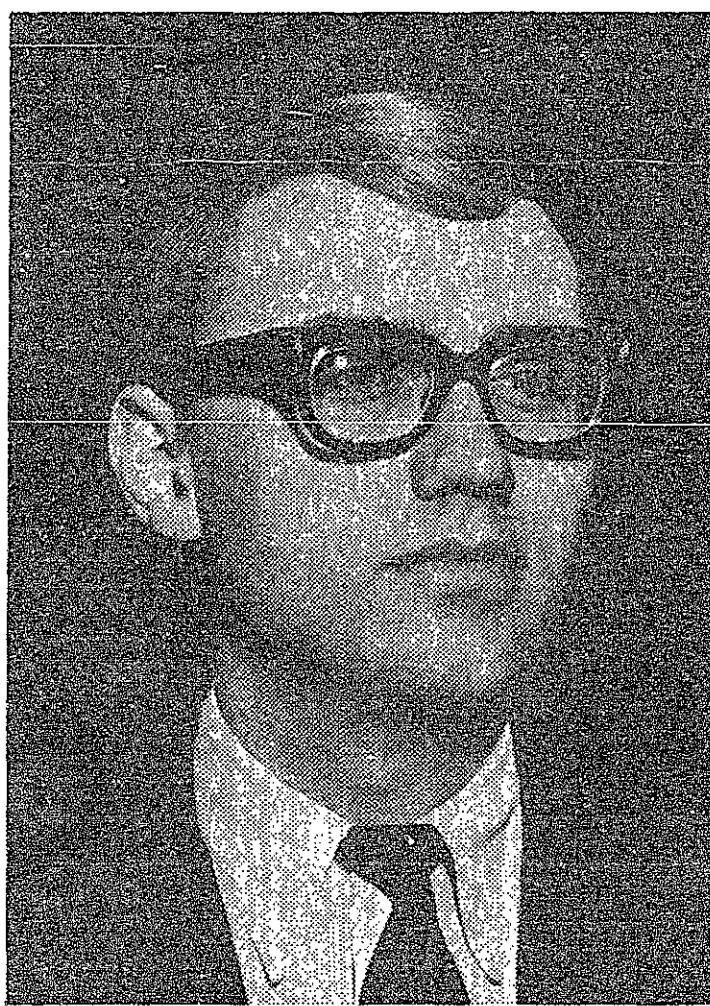
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James Hill, Harvard



Robert W. Galvin, Motorola Inc.

A Businessman Answers These Two Student Questions

1. WHY ARE THERE SO FEW MANAGEMENT TRAINING PROGRAMS OPEN TO STUDENTS?

2. WHAT DOES BUSINESS REALLY DO TO ENCOURAGE CREATIVITY?

Dear Mr. Hill:

The questions in the heading above seemed to me to be two of the basic concerns of your last letter. They are interrelated. Let's take them in order:

1. Management training programs. At one extreme, there are companies with no planned training programs at all. These firms hire men principally for specific functions for which previous experience has fitted them. In doing these jobs, they receive on-the-job training in the normal course of business.

At the other extreme are companies which have such elaborate and lengthy programs that one of the other students writing these open letters with me feels: "...they drag on for...even years."

Most companies fall between these two poles—and the number of corporate training programs has doubled in the last ten years. The training goal is to help a student develop his talents best in the shortest time. Most progressive companies continue this training through all levels of employment. The day a businessman stops learning is the day he may stop being a successful businessman.

An increasing number of company training programs do include young men who are not yet regular or full-time employees. Summer jobs in business might once have been seen by a student chiefly as a way to make some money and by a company chiefly as a way to obtain temporary "fill-in" help to replace vacationing employees. Not today. Summer training programs at AT&T, First National City Bank,

Mobil Oil, and Olin Mathieson, for example, provide students with well-defined and meaningful jobs, accomplish definite objectives for the companies, and give the student a good taste of what the company and business are like.

A personnel manager in a leading Chicago bank, who also worked with an airline and a food processor, answered a question like yours this way: "Companies must use the summertime these days to get to know a student and to have a student know them. Top new employees are in short supply."

2. The encouragement of creativity. I touched on this earlier (the Percy story was one example; Illinois Bell was another) but here are other specific examples of how companies systematically try to stimulate creative thinking among their employees.

A *Wall Street Journal* article told how companies are "growing their own" middle and top management executives. AT&T recruits a college graduate for executive training, gives him a year of special training, then offers him a job that normally would go to someone a great deal more experienced. If he handles it well, he is on his way. The Journal notes that, although half the recruits wash out or quit during the first five years, the chance for real responsibility definitely raises trainee morale.

U.S. Rubber uses an "early identification program" to "grow" its executives. Each divisional manager annually lists men of management potential—as many as they wish below the age of 28, not more than 10 between 28 and 30, 5 between 30 and 32,

and 3 between 32 and 35. Each of these men is "kept current" and important job openings are first from the group.

When you consider that DuPont, for example, estimates that someone is promoted every 10 working minutes, you can see how important it is to a company—even from a completely self-oriented viewpoint—to encourage its employees to develop creativity and know-how and to put these newly developed assets to work as productively and as quickly as possible.

—Robert W. Galvin
Chairman, Motorola Inc.

BUSINESS AND YOU

This open letter about business is written by a businessman to one of six student correspondents on six different campuses. It is the tenth in a continuing series being published in 29 student newspapers across the country.

James Hill is a student at Harvard. Robert Galvin is chairman of Motorola Inc. If you have comments or questions, write Mr. Galvin at 9401 West Grand Avenue, Franklin Park, Illinois 60131.

Yale defeats gymnasts, 117-99

The MIT Gymnastics Club was Miller '70, who had 1 first place defeated by Yale last Saturday by for 20 points, and Dick Hood '70, to 2-2. The next meet for a score of 117-99. High scorer for whose 2 second places accounted for 20 points. The Yale coach is around man, Mike Garvel, who Don Tonry, member of the 1960 Olympic Team and holder of several 44 points, including 2 first places. Tech's top men were Phil

The loss brought Tech's record for 20 points, and Dick Hood '70, to 2-2. The next meet for a score of 117-99. High scorer for whose 2 second places accounted for 20 points. The Yale coach is around man, Mike Garvel, who Don Tonry, member of the 1960 Olympic Team and holder of several 44 points, including 2 first places. Tech's top men were Phil

er NCAAs titles.

George Bernard Shaw be darned!

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Harvard third

Cornell defeats squidders in second annual contest



A Cornell player gets off a squidge in the triangular tiddlywinks match as Harvard and MIT squoppers look on. The engineers finished second as the Cornell team proved too much. Harvard's team was forced to leave and finished third.

MIT finished second in a triangular tiddly-winks match held Saturday at Burton House. Cornell won the match, which lasted seven hours, with 150½ points, to Tech's 130 and 55½ for Harvard.

Eight 30-minute games were played, but intermissions and other delays accounted for the length of the contest. The Tech

Training offered by firearms club

The MIT Pistol and Rifle Club has announced a new rifle training program starting March 1. The new program will be open to all old and new club members who do not regularly compete on MIT teams. Registration is open to all members of the MIT community, both students and staff, who are club members. However, because of a limited number of instructors and quantities of equipment, enrollment in the course will be limited to twenty people.

The objectives of the course will be three-fold: (1) to qualify new club members for full use of the MIT rifle range facilities; (2) to train new club members in the safe handling of firearms, range procedures, and range discipline; (3) to develop among new club members the basic knowledge and skills required for marksmanship proficiency.

The course will be conducted during four 2-hour sessions starting at 7 pm on March 1 and continuing on March 8, 15, and 22.

The rifle range facilities, rifles, targets, and instructors will be supplied by MIT and the MIT Pistol and Rifle Club. Interested persons should contact Prof. Frank Clikeman, at ext. 5296, by February 24.

Tech's varsity rifle team beat Wentworth College, 1228-1208, Saturday at MIT. Captain Charles Marantz '67 and Philip Rosenkranz, '67 led the scoring for the Tech sharpshooters, with 249 and 247 respectively. Robert MacDonald '68 and Dennis Artman '68 also scored well, with 245 apiece and Richard Simpson '67 made a good showing, with 242.

Coach McLennan's team now has a 7-4 record for the season.

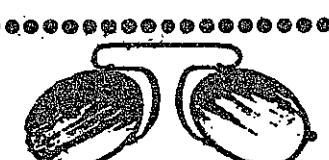
They meet rival Harvard Friday,

February 24, at 6:30 at the rifle range in duPont.

On Deck

Tuesday, February 21
Wrestling (JV)—Brown, here, 7:30 pm
Squash (V)—Seton Hall, here, 4 pm
Basketball (F)—Bentley, here, 7:30 pm
Wednesday, February 22
Basketball (V)—Tufts, away, 8:15 pm
Swimming (V)—Brown, away, 8 pm
Swimming (F)—Brown, away, 6:30 pm
Fencing (V)—CCNY, away, 1 pm
Hockey (V)—Amherst, away, 5 pm
Squash (F)—Army, away, 10 am

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Photo by Mike Venturino
Ben Wilson '70 makes the turn in the mile in Saturday's freshman meet against New Hampshire. Wilson won the event.

By Mike Schibly

The MIT wrestlers demolished the University of Massachusetts last weekend 31-7 in one of the most one-sided contests of this season. Massachusetts, reputed to have a fairly good team, was able only to win one bout and tie another as they became the eighth victim of the Tech matmen this year.

Joe Baron started things off for the engineers by pinning his man in 4 minutes and 27 seconds. Paul McCreary in the 130-lb. class pinned his opponent almost as swiftly, and Regan Fay, 137-lbs., won 8-1. Dean Whealen, 145-lbs., Rick Willoughby, 152-lbs., and team captain Walt Price, 160-lbs., were all victorious, the latter two by pins. Massachusetts managed a tie against John Stempel in the 167-lb. division and a pin on Paul Malek in the 177-lb. section, but Fred Andree finished the match by pinning his opponent.

Wilson sets record

MIT cindermen took a squeaker from New Hampshire last Saturday, 57-52. Ben Wilson was by far the most outstanding of the Tech thinclads, setting a new frosh record of 9:44 in the 2-mile run and winning the mile in 4:41. Bruce Lautenschlager was top man in both the weight throw and the shot put; John Owens and John Wargo teamed up for first and second in the 1,000 yard run.

Mermen now 2-5-1

The swim team fell for the fifth time this season on Saturday, this time to Springfield. Although the Techmen were able to turn in good performances in several events, they lacked the depth necessary to win the meet, and were downed by 23 points, 59-36.

MIT was able to place first in only three events: diving, the 200-yard butterfly, and the 400-yard freestyle relay. Bob Rorschach did a brilliant job in the diving, winning with 63.81 points, and Jesse Heines was second. Jim Bronfenbrenner won the 200-yard Butterfly in 2:20.8; and the team of Bronfenbrenner, Kinney, Riley and Ellison took the relay in 3:33.8.

The swordsmen dropped a disappointing match to Lenox school on the eighteenth. Tech lost in

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Frosh matmen top UMass; 6 Techmen still undefeated

both the foil and sabre, 7-2 and 6-3 respectively; victory in the epee of 6-3 was not enough to balance the score, and Tech fell 16-11.

Bob Wallace won all three of his contests in epee; Vince Fazio was 2-1 in the same division; and Jan Wissmuller was 2-1 in the sabre.

Cagers, racketmen win

The frosh hoopsters won their seventh contest last weekend by downing Brown 73-66. Outscored from the floor by twenty points, Tech crushed the bigger, but slower, Brown five at the foul line, 33-6. Steve Chamberlain led engineer scoring with 26 points. The team record is now 7-8.

The Tech squash team brought their record to 5-4 on Friday as they defeated Trinity by that score. Bob McKinley, Manny Weiss, Rod Walker, Ken Gilbert, and Skip Perkins were the engineers responsible for the victory, which was decided by Skip in the final match.

Skiers finish fifth

Bjaaland takes 3rd in meet

By Rich Rosen

Helge Bjaaland '67 took third place at the Eastern Intercollegiate Ski Association Senior Championships at Williams College. This strong showing qualifies Bjaaland for the NCAA championships coming up in two weeks at Sugarloaf Mountain, Maine. This will be the second NCAA appearance for Bjaaland, who was eleventh in the cross-country event at the Nationals last year. He is expected to do even better this year, as the 1966 meet was held at high altitude in Colorado, and Helge had trained in the East.

Meanwhile, the varsity participated in the New England College Carnival, placing a disappointing 5th of 6 teams. In the jump, MIT was last, with the best jumper, Bjaaland, at Williams and Hans Fritzvold '68 ill. Doug Cale '69 was the top finisher for Tech, coming in 14th of 23 competitors.

Paavo Pykkonen '67 and Pete pered by the back injury he suffered last year.

Easy cross-country victor

Saturday, MIT won the cross-

country with 93.5 points. The nearest team was Williams with 88.4, which is a considerable margin of victory. Bjaaland, who had returned from Williams, won the event. Dick Haberman '67 was third, with Paavo Pykkonen 7th and Doug Cale 10th. The team will receive a trophy for its performance, and Bjaaland and Haberman will get medals. In the slalom, Haberman was 22nd and Rik Anderson '69 was 26th of 80 racers, but nevertheless the team finished 5th. Falls hurt the team considerably in this event. This year Anderson has been ham-

Expect 5th in slalom

Results for the giant slalom are not yet in, but it is expected that MIT finished 5th overall. In the giant slalom, Rik Anderson fell and was hurt slightly. After that event, St. Michael's College edged MIT to take 4th place in the Carnival. New England College, the host school, won the meet, with Harvard 2nd, Yale 3rd, and then St. Michael's, MIT, and Keene State.

Next on the skiing calendar is a dual meet with Colby this weekend. Then, on March 3 and 4, Helge Bjaaland goes to the NCAA, hoping to place well in the cross-country.

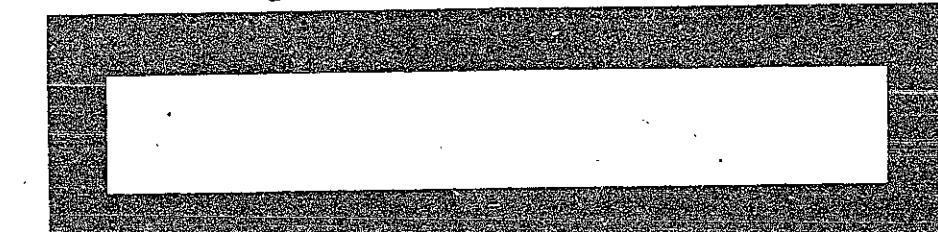
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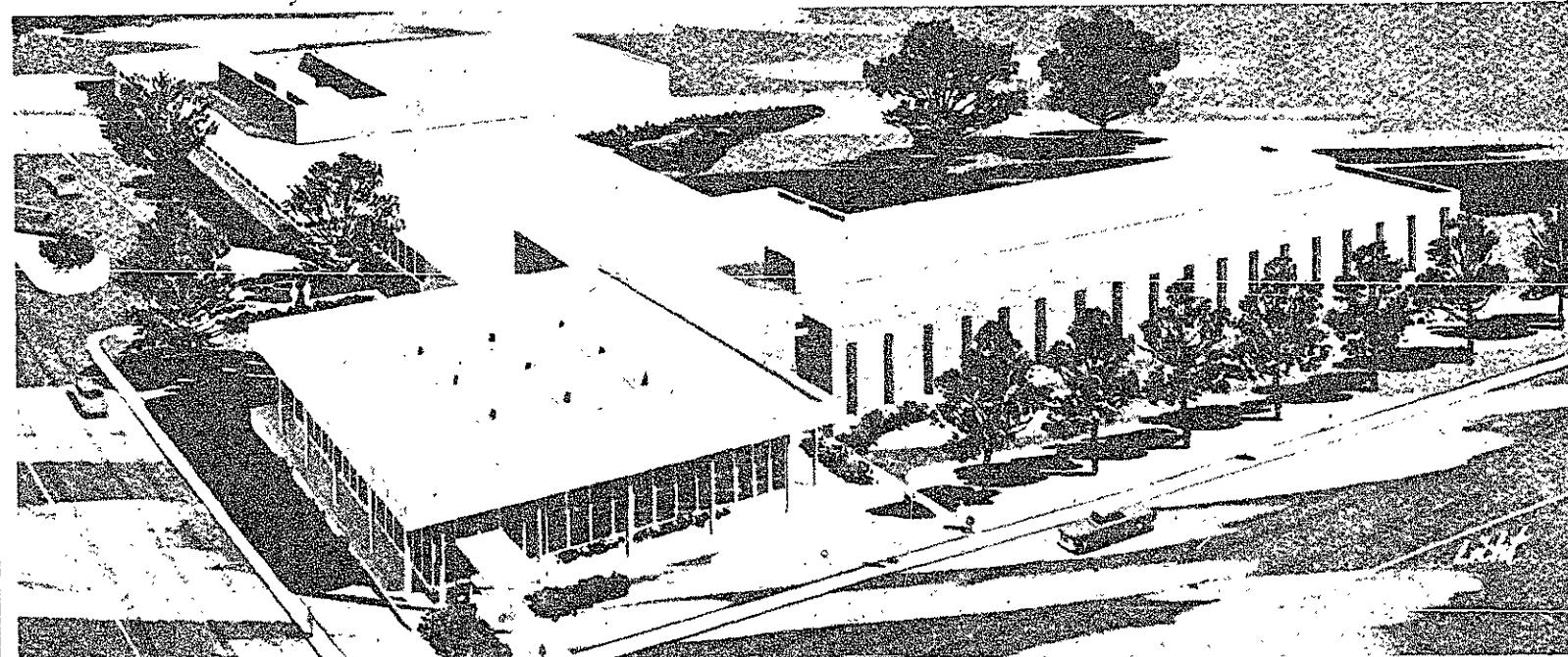
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LCA retains IM basketball title

By Joel Hemmelstein
Lambda Chi Alpha retained its intramural championship in basketball with a 34-31 victory over Sigma Alpha Epsilon last Wednesday evening. The squeaker marked the second straight year that these two teams met in the finals; the outcome being the same.

Though noted for their offensive potential, both squads used slow-down tactics, always waiting for the sure shot. Lambda Chi opened up in the second period after a close first quarter. Bombing from the outside, they opened up an 18-10 lead, only to see an SAE rally cut it to 20-17 at the half.

SAE pulled closer as the third session began and the lead continued to change for the rest of the battle. Down by one with two minutes left, LCA hurried down court and Bruce Twickler '67, hit to change the score for the last time. Twickler converted two foul shots with seconds remaining for the final winning margin.

Fouls take toll

Fouls struck both teams hard as Travis Gamble '67 (LCA) and Don Rutherford '67 and Bill Dix '67 (SAE) all had to retire with five personals.

Denny Matthies '68 again took game-scoring honors as he popped in seven field goals and a single foul shot for fifteen. Gamble and Ken Follansbee contributed ten counters each for the winning cause while Twickler sunk eight.

AEPi upsets Burton

Alpha Epsilon Pi won itself a rematch with Phi Gamma Delta by upsetting Burton A, 44-41, following the championship game. The Fiji-Pi match will determine third place in the standings.

The Pi's, with a distinctive height disadvantage, used finesse and the press to overcome the

towering Burton boys. Playing even until the half, the Pi's lost ground in the third period and found themselves down by seven at the beginning of the final quarter.

However, frustrating the Burton attempts to get the ball over the midcourt line, AEPi drew to within three. Bob Akullian '69, substituting for the absent Sam Wilensky, stole a pass and drove for the bucket. Gerry Banner '68 was fouled and dropped in the go-ahead from the charity stripe, with 55 seconds left. As the game closed, Akullian converted for two more free throws and the final tally, 44-41.

Banner starred again with seventeen points. He was joined for the scoring leadership by Burton's Marc Kammerdiner '67, Marc Seelenfreund '68 and Lee Icerman '67 followed Kammerdiner's lead with eight and twelve markers, respectively. Herb Finger '68, hit for seven for the AEPi's.

In the intramural basketball standings, NRSA and Burton battled for fifth place Sunday. Phi Delta Theta nipped the Betas by two points to gain the seventh place berth.

The Fiji's earned the right to vie for third place by defeating NRSA. PGD obviously down after participation in the first divisions.

On Tuesday night at 8 the hockey play-offs will begin. The tournament will consist of sixteen teams. Theta Chi is the top seeded team, followed by Burton "A," SAE, ZBT, NRSA, Lambda Chi Alpha, DU and Delta Tau Delta.

How They Did

Basketball

MIT (V) 82, Amherst 61
MIT (V) 33, Middlebury 19
MIT (F) 73, Brown 66

Swimming

Springfield 52, MIT (V) 43
Springfield 59, MIT (F) 36

Wrestling

MIT (V) 28, UMass 8
MIT (F) 31, UMass 7

Squash

MIT (V) 9, Stony Brook 0
MIT (V) 6, Trinity 3
MIT (F) 5, Trinity 4



Photo by George Flynn

Chick Chotkowski '68, Lambda Chi, goes up for a shot against an SAE defender in the finals of the 'A' league playoffs.

their narrow loss to SAE, jumped to an early lead and maintained it throughout the conflict.

Intramural manager Herb Finger announced the end of the tournament was in sight. Wednesday the third and fourth positions will be determined ending com-

Final score, 53-42

Springfield tops mermen; Tech's record falls to 6-3

By Jeff Goodman

Tech's mermen lost to a spirited Springfield College team 53-42 last Saturday at Springfield's 20 yard pool.

Luis Clare '69, Larry Preston '68, Steve Mullinax '69, and John McFarren '68 dropped the 400 yard medley relay to a 3:52.6 SC relay team. Had they won, the outcome of the meet could have been radically changed, but the Beavers were never able to catch the Springfield swimmers.

In the 200 yard freestyle, SC's Hart edged Lee Dilley '69 in 1:54.6 a few tenths better than Dilley's best time. Mike Crane '67 won the 60 yard freestyle to give the engineers a first. In the 160 yard, I. M. Olsen placed first with Clare and Bill Stage '69, two-three.

Gentry cops diving

Dan Gentry '68 put on another show to win the diving from SC's

Donnelly and Walsh. Dilley broke up a one-three Springfield finish in the 200 yard butterfly, with Sbrega setting the pace with a 2:08.5 clocking.

Luis Clare swam second behind Shea with Constantine third in the 200 yard backstroke. Springfield's Hart, holder of the New England 500 yard freestyle swim record won his event in 5:07.7 a few tenths off his record, with Tech's Dave Benbasset '68 in second, forty seconds behind. After this event SC clinched the meet, the score being 49-30.

Preston wins breaststroke

Perhaps the only one who enjoyed the 20 yard pool, as opposed to a standard 25 yard one, was Larry Preston who used it to record his fastest time of the year in the 200 breaststroke—clocking a 2:25.4 for the 20 yard varsity record.

Ski bumming

Killington offers variety for all skiers

By Ted Nygreen

Killington Ski Area, in central Vermont, offers a rich assortment of every type of skiing for every type of skier.

Vital Statistics

Rising from a base elevation of 2200 feet, this "snow bowl," a ring of five mountains, boasts of a good skiing season often as long as November to May. With a peak 4,241 feet high, it is easily the largest in Southern New England.

There are now 12 lifts serving the 34 trails and slopes, but on holiday weekends when crowds universally inundate the slopes, even Killington is not immune to those annoying lines.

The price is \$7 per day, every day of the week. The drive is 150 miles, usually 3½ hours. Killing-

ton's as far as I would go for one day.

For the Novice

With the growth of this relatively new area, the novice has not been forgotten. In fact, Killington has probably the largest novice area in New England.

The "Snowshed," smallest of the mountains in the ring, has an excellent beginner and practice area, stretching gently down the three-quarter mile hillside with snow-making equipment to keep it in the best shape.

Recent blasting has widened the area to meadowlike proportions, and the installation of the third double chairlift now insures super capacity.

For the expert only: the lower Cascades which sheers off from

the mid station of the large chairlift at an unbelievable 45 degrees; the East Fall which drops off from the Glades pomalift that services the high altitude Glades trails from Killington Peak.

The intermediate finds the challenging North Star generally covered with advanced skiers, and the myriad of intermediate trails weaving down from the other two major peaks, Snowdon and Ram's Head, are often more than frightening for the non-expert.

Killington overall

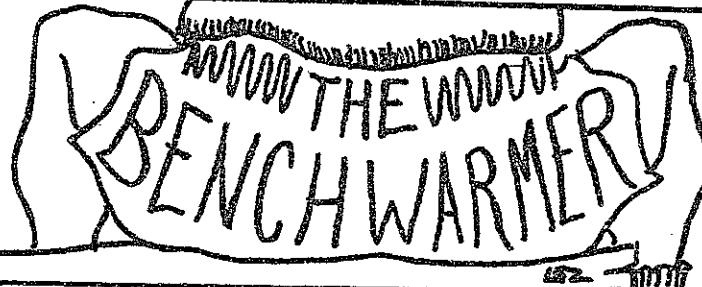
Advertising as a family area, Killington even provides a nursery for children while their parents are on the slopes. Its central location, unique weather conditions, and wide variety of trails make it a must for every skier.

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By Paul Baker

As the New England Intercollegiate Wrestling Tournament approaches, the Tech engineers appear to be prime contenders. Losing only to Harvard and Coast Guard, their 7-2 record is one of MIT's best in recent years.

Hope for engineer success lies principally with the powerful one-two punch of Keith Davies '69 and Dave Schramm '67. Davies, at 177 pounds, has been beaten only once this year in dual competition.

Schramm, a 6'2", 210 pounder, is the returning New England heavyweight champion and plans to stretch his reign to two years. He has wrestled two seasons now without a defeat. Such grapplers as Ed Tripp '67 (123), Bill Harris '68 (130), Jack Maxham '69 (137), Jack Wu '68 (145), John Fishback '68 (152), Donald Pryor '68 (160), and Julian Schoeder '67 (167) are also a formidable group, as the record proves. The return of injured wrestlers Gregg Erikson '69 and Henry DeJong '67 will also boost the team potential.

Coach Chassey active

Much of the credit for wrestling success at MIT lies with Coach Wil Chassey. His latest promotions for the sport were the MIT holiday Invitational Tournament and also the East's first quadrangular meet. Held in February of this year, the engineers were host to Franklin and Marshall, who eventually won, Springfield, and Amherst. This meet will continue annually as a round robin tournament.

Freshman performances are also impressive. With an 8-1 record, they boast six undefeated wrestlers: Joe Baron (103), Paul McCreary (130), Rick Willoughby (152), Dean Whelan (145), Walt Price (177), and Fred Andree (unlimited). Their only loss of the year was at the hands of Harvard. The Crimson won 18-15 on a disputed call that could have meant a tie or win for MIT.

Springfield may be the team to beat this year at Tournament, with only three engineers graduating and the strong freshman team moving up, the Springfield dynasty may soon be replaced by one of our own.

Skaters lose to Hamilton, 7-0; three games remain on schedule

By Jon Steele

Saturday night, the MIT skaters played their final home game of the season, losing 7-0 to Hamilton College. Despite the lopsided score, however, the Techmen put on an outstanding effort against the highly-rated Hamilton squad.

Hamilton, bolstered by a 7-5 victory over Brandeis, came onto the ice expecting to run up the score easily, but the Tech defensemen had different ideas. They held tight for nineteen minutes until Hamilton's All-America candidate Tom Wheeler connected on a slap shot from twenty feet out. Midway in the second period Jim Goodfellow also scored on a long shot for Hamilton.

In the third period MIT was plagued by bad luck. At one point first, 82-61, the Beavers faced Scott Rhodes '69 tripped and slid a hapless Middlebury squad, into the cage, taking goalie Steve which used deliberate stalling tac-

Eriksen '69 down with him. Before they could untangle in the nets Mike Bartstoff flipped in an easy shot for the score. Ninety seconds later Wheeler collected his second goal of the evening when Eriksen's stick slipped off the ice.

Cagers win weekend pair

By John Koplow

Tech's varsity cage team bounced back from the disappointing loss to Northeastern last Tuesday with two impressive weekend triumphs at the expense of Amherst and Middlebury.

After encountering little trouble on Friday in disposing of Amherst, 82-61, the Beavers faced Scott Rhodes '69 tripped and slid a hapless Middlebury squad, into the cage, taking goalie Steve which used deliberate stalling tac-

tics to keep MIT within reach. Their strategy was effective in holding the Beavers to 33, but host Middlebury scored but 19 markers in dropping their seventeenth contest in 18 starts this year.

The Engineers could not take lightly an Amherst five which earlier this year upset American International, one of the top college teams in New England. At outset of Friday's contest, Amherst was upset-minded once again as Tech had difficulty getting started and held a mere 14-13 lead with 8:30 to go in the first half.

Guard Roy Talus '67 then spearheaded a spurt in which Tech outscored their hosts 17-8. Talus' 8 points in the final 7 minutes of the half provided MIT with a 31-21 half-time lead.

MIT tough defensively

As has been the case all year long, strong defense was the Beavers' most effective weapon. The primary factor in permitting Amherst just 21 first half points was the job co-captain Bob Hardt '67 did on their leading scorer, Krause. Besides blanking him in the first stanza, Hardt allowed him only one point for the entire contest.

As senior Alex Wilson scored 14 of his 19 total points, the Beavers slowly increased their lead throughout the second half. Following Wilson in the scoring column were Dave Jansson '68 with 17, Hardt and Talus with 14, and Alec Bash '68 with 8.

The next evening Middlebury made their game plan evident from the very beginning. Posting three men just inside the 10-second line, they dare MIT to come after them and played only for sure shots. The strategy seemed

Racketmen top Trinity 6-3; crush Stony Brook 9-0

Against Trinity, Captain "Chye" Tantavit '68, the number one man, Ken Wong '68, number two man, Joe Ferrerira '67, number four man, and Jerry Hokanson '68, number eight man, all won 3-0. Phil Scoggan '69, number seven man, won 3-1 and Bob Mecanson '68, number three man won 3-2. Pete Hurley '68, number seven man, Geoffrey Hallock '69, number six man, and Bill Kilin '68, number nine man, all lost by 3-2 scores.

In the Stony Brook match, that was played Saturday afternoon in duPont, there were two matches in which the Techmen won by 3-1 scores and seven others were all won 3-0. This is Stony Brook's first year of competition in varsity squash, and for a new team they performed surprisingly well.

The Tech racketmen will go against Seton Hall today at 4:00 in duPont.

Upcoming this Saturday is the last big match of the season against Wesleyan. The engineers match was won by a 9-0 tally. The team has now won three of their last four matches.

Photo by Steve Silverstein
Captain Chye Tantavit '68 gets off a serve in the Stony Brook match. He contributed one win as the Techmen romped.

MIT varsity squash team experienced their most successful weekend of the season, as they handily defeated both Trinity and Stony Brook. In the Trinity match, which was played at Trinity on Friday night, the Techmen conquered 6-3, while the Stony Brook match was won by a 9-0 tally. The team has now won three of their last four matches.

Grapplers trounce U Mass, 28-8

By Arm Varteressian

7 matches, flattening Greg Thornton in a quick 1:49 at 177 pounds. The individual match record of the team stands at 50-27-5, a 61% total, while the pin count for the year reads MIT 15, opponents 5. One dual meet remains on the schedule for the season, as Tech will meet RPI in a home meet Saturday, February 25th. After closing out the season next week, the varsity can look forward to the New England championships to be held at Tufts Friday and Saturday, March 3rd and 4th. The frosh team, with six undefeated wrestlers, figures to do well, and the varsity has several promising prospects for New England places following Schramm, last year's unlimited class champion. Jack Wu, Keith Davies and Jack Maxham have all shown their ability to do well against tough opponents and are looking forward to the championship competition.

One dual meet remains

So far this season, the Tech varsity has piled up 200 meet points,

Record now 1-5

Trackmen lose to UNH



Photo by Mike Venturino
Art Von Waldburg '67 begins a toss in the 35 lb. weight throw Saturday against UNH. MIT lost the meet 72-39.

In spite of the usual outstanding performances in the field events, the indoor track and field team was handed its fifth loss in six meets as they were downed by UNH, 72-39. The Techmen were set back in the scoring when they placed only second or third in most of the running events.

On the bright side, MIT took the first four places in the 35 lb. weight throw. Gordon DeWitte '67 won with a throw of 55-11 and was followed by Dave Osborne '67, Art Von Waldburg '67 and Pete Maybeck '68. Most of these men reached new personal records. Maybeck and DeWitte also placed second and third in the shot put.

Von Waldburg also collected points in the high jump, which he won at 5-8½. Dave Ogrydziak '68 placed second in that event. The absence of Steve Sydoriak '68, who was out with an injury, was felt in the pole vault, but Jim Reid '68 managed to take second place. Kjell Karlsrud '68 was third in the long jump.

Don Rosenfield '69, who missed the first part of the season, put Tech on the scoring column in the hurdles with a second in the highs and third in the lows. Bob Karmen '67 ran the 600 instead of the 1000, and placed second. Sam Guilbeau '67 was second in the thousand.

Tom Najarian '69 placed third in the mile and Jim Yankaskas '69 made a large improvement in the two mile to place second with a time of 10:01.

Next Saturday the team will travel to Storrs to meet UConn for the last dual meet of the season.

MIT Track and Field
Results
February 21, 1967